The carbon body according to claim 22 wherein a diameter of said carbon fibers comprises about 5 μm to about 30 μm.

- 33. The carbon body according to claim 22 The graphite body according to claim 28 The graphite body according to claim 26 wherein a diameter of said carbon fibers comprises about 5 μm to about 30 μm.
- 34. The graphite body according to claim 26 wherein a length of said carbon fiber comprises about 5 mm to about 40 mm.
- 35. The graphite body according to claim 27 wherein a diameter of said carbon fibers comprises about 5 μm to about 30 μm .
- 36. The graphite body according to claim 27 wherein a length of said carbon fiber comprises about 5 mm to about 40 mm.
- 37. The graphite body according to claim 28 wherein a diameter of said carbon fibers comprises about 5 μm to about 30 μm.
- 38. The graphite body according to claim 26 having a longitudinal coefficient of thermal expansion of about -0.5 x 10⁻⁶/°C to less than 0.14 x 10⁻⁶/°C as measured from about 25 to about 200°C.
- 39. The graphite body according to claim 26 wherein a tensile strength of said carbon fiber comprises greater than about 100,000 psi.
- 40. The graphite body according to claim 27 a tensile strength of said carbon fiber comprises greater than about 100,000 psi.

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41. The graphite body according to claim 28 a tensile strength of said carbon fiber comprises greater than about 100,000 psi. --